



Environmental Leader Facility

GENERAL MOTORS CORPORATION

Shreveport , LA



The General Motors assembly plant produces some 850 light duty trucks per day, employing approximately 2,700 workers. The plant is being transformed with a new \$750 million stamping and assembly plant and major modifications to paint operations.

Pollution Prevention Highlights

- 2002 – Aerosol cans are accumulated, the propellant captured and the cans recycled on a recurring basis. In June 2001 we purchased 531 aerosol cans per month. Through product substitution and elimination the number of aerosol cans purchased is now approximately 238 per month. This represents a reduction of 55% from the June 2001 levels. This project is ongoing to maintain this initiative.
- 2002 – New purge solvent storage tanks were constructed, certified and became operational. This allowed closure of an existing tank system. The new system enhances our ability to recycle waste thinner.
- 2001 – Completed conversion of our ELPO paint prime system which contained lead to a lead-free product in September 2001. In January 2002, debris, filters, and sludge from the ELPO system exhibited no hazardous waste characteristic.
- 2001 – Third party certification of our environmental management system was completed in December 2001 to formalize our action plans for pollution prevention and other elements of our environmental policy. The certificate was issued to the plant on February 11, 2002.
- 2000 – Implemented the “Resource Management” concept for focused pollution prevention and recycling. A contractor based on-site pursues and implements pollution prevention and recycling initiatives.
- 2000 - Increased recycling of used cardboard from 217 tons in 1997 to over 2,510 tons in 2000.
- 1999 – Eliminated the use of methyl ethyl ketone (MEK) as a solvent at this facility through process changes and material substitutions. Began using a HAPs-free purge solvent in 1998.

Pollution Prevention Goals

WASTE STREAM	BASELINE YEAR	CURRENT YEAR QUANTITY	TARGET YEAR QUANTITY	COMMENTS
General plant trash (non-hazardous) (tons/yr)	1997 4,272	2002 1,810	2004 2,136	Increased recycling cardboard in 1998
Waste electrostatic lead primer paint (lbs/yr)	1997 63,140	2002 0	2004 0	Major cleanout of system to substitute a lead-free product
Paint sludge (non-hazardous) (lbs/yr)	1997 1,018,000	2002 794,040	2004 509,000	Major paint system cleanout in 2002
Mixed non-hazardous waste (lbs/yr)	1997 357,600	2002 500,060	2004 179,000	Construction project in 2002 has increased waste amount.
Overall Waste (lbs per unit produced)	1997 77.90	2002 36.81	2004 38.95	Target of 50% reduction met with a 52.75% performance.

Rev. 12-20-02

Leadership Program Contact:

David Burroughs
Environmental Engineering Supervisor
PO Box 30011
7600 General Motors Blvd.
Shreveport, LA 71130-0011

(318) 683-9267
(318) 683-9269 FAX
david.burroughs@gm.com